Evaluation Report - Workshop for the Control Practice of Dengue Fever (HTF05-2008A)

Purpose: Information
Submitted by: Chinese Taipei

Second Health Working Group Meeting
Lima, Peru
12 – 13 August 2008
## Evaluation Report

<table>
<thead>
<tr>
<th>Project number:</th>
<th>HTF05-2008A</th>
<th>Date received by Secretariat:</th>
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</thead>
</table>

### Name of Committee/Working Group/Taskforce:
Health Working Group

### Title of Project:
APEC Workshop for the Control Practice of Dengue Fever

### Proposing APEC Economy:
1) Chinese Taipei

### Co-sponsoring APEC Economy(ies):
2) Australia, Brunei Darussalam, Korea, Peru

### Project Overseer:
Dr. Hsu-Sung Kuo  
Director, Centers for Disease Control, Department of Health

### Postal address:
No.6, Linshen South Road, Taipei, Chinese Taipei 10050

### Tel:  +886 2 2391 8508  
Fax:  +886 2 2391 8543  
Email: director@cdc.gov.tw

### Financial Information

<table>
<thead>
<tr>
<th>Total cost of proposal (US$):</th>
<th>$54,740</th>
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<tbody>
<tr>
<td>Amount being sought from APEC Central Fund (US$):</td>
<td>$22,740</td>
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### Type of Project:
- seminar/symposium  
- short-term training course  
- survey or analysis and research  
- database/website  
- others (Please specify) Workshop

### Project start date:
March 2008

### Project end date:
February 28, 2009

### Brief description of Project:

The project resulted in the APEC workshop for the Control Practice of Dengue Fever, which was held on June 5-6, 2008. 40 delegates from 12 member economies participated in the workshop. The principal activities completed by this project are as follows:

1. Share the Chinese Taipei’s “Kaohsiung Model” with all participants and exchange experiences in dengue control with one another in order to build dengue control capacity and promote cooperation in dengue control among APEC member economies.
2. Conduct a field practice to further improve skills and knowledge on the practice of vector control.
3. Introduce an innovative, effective, and multilingual supporting tool that facilitates accurate identification and better management of vector breeding sites and dengue cases.

### Signature of Project Overseer:

Separate written confirmation acceptable for email submission  
Date: July 22, 2008

### Signature of Committee Chair/WG Lead Shepherd:
(Not applicable to Progress Report and Evaluation Report)

(Separate written confirmation acceptable for email submission)  
Date:
**Evaluation of Outcomes. Framework (for all projects)**

**Project Overseer's comment**

The objectives of the project include:
1. Improve skills and knowledge on the practice of vector control, risk communication and community mobilization.
2. Build dengue control capacity of and promote cooperation in dengue control among APEC member economies by sharing updated information and exchanging experiences on dengue fever prevention and control.
3. Apply innovative, effective and affordable tools to effectively manage dengue vectors and dengue fever cases.
4. The principal activity of the project is to organize a workshop.

The APEC Workshop for the Control Practice of Dengue Fever was successfully conducted on June 5-6, 2008 in Kaohsiung, Chinese Taipei. A total of 40 representatives from 12 member economies, including Australia, Brunei Darussalam, Canada, Chile, China, Indonesia, Malaysia, Peru, Singapore, Chinese Taipei, Thailand and Vietnam, participated in the workshop.

This project aimed to assist APEC economies to strengthen capacity building by sharing information and practices on vector control, risk communication, and community mobilization on dengue fever and other vector-borne diseases. This workshop was designed to allow participants to:
1. Share the newly developed software on management and identification of vector breeding site,
2. Partake in a field practice to improve skills and knowledge on the practice of vector control.
3. Exchange dengue control experiences with one another and help promote cooperation in dengue control among APEC member economies.

After the two-day workshop, many constructive conclusions and consensus have been reached among workshop participants on how to tackle the challenges facing dengue prevention and control. In addition, the participants also took part in the field training exercises to gain first-hand experiences, which will contribute significantly to the existing dengue control practices in their respective economies. According to the survey conducted after the workshop, most participants highly recognized that the knowledge and new skills they acquired during the workshop and found the newly acquired knowledge and skills suitable for use in their own economies, which could be applied to further improve the dengue control and prevention programs in APEC economies.

**Signature:**

Name: Dr. Hsu-Sung Kuo (Project Overseer)

**Evaluation Group Assessment**
<table>
<thead>
<tr>
<th>#</th>
<th>Criteria</th>
<th>Explanations (what to look for)</th>
<th>Comments (if any)</th>
<th>Assessment</th>
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<tbody>
<tr>
<td>1</td>
<td>Were all the objectives fully achieved?</td>
<td>What exactly were they? (What skills were improved – from what level to what level; was capacity built and institutions strengthened – by how much? Was economic efficiency and performance increased – how was it measured?)</td>
<td>1. Workshop participants reported that they have learned the 'Kaohsiung Model' and the application of GIS vector breeding sites management software that they can follow and use when formulating and conducting strategies for dengue control. 2. Workshop participants anticipated that the acquired knowledge and skills can be used in their own economies.</td>
<td>1. Improve skills and knowledge on the practice of vector control, risk communication and community mobilization. Fully achieved. The workshop aimed to assist APEC economies to strengthen capacity building by sharing information and practices on vector control, risk communication, and community mobilization on dengue fever and other vector-borne diseases. Experts on dengue and vector control field workers were invited to the workshop to share their views and explore alternative control measures for dengue fever prevention. 2. Build dengue control capacity of and promote cooperation in dengue control among APEC member economies by sharing updated information and exchanging experiences on dengue prevention and control. Fully achieved. Field practices were conducted to improve skills and knowledge on the practice of vector control. A Participant Manual was developed as a guide for the participants to carry out field exercises. 3. Apply innovative, effective and affordable tools to effectively manage dengue vectors and dengue fever cases. Fully achieved. An innovative, effective, and multilingual supporting tool was introduced during the workshop to facilitate accurate identification and better management of vector breeding sites and dengue cases.</td>
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<td>2</td>
<td>Were all the outputs</td>
<td>Were they also of a satisfactory</td>
<td></td>
<td>Fully achieved.</td>
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<td></td>
<td>fully achieved?</td>
<td>quality?</td>
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<td>3</td>
<td>For ECOTECH and other projects, has the completed project contributed to a priority APEC theme?</td>
<td>Has it contributed to one of the priority themes in the 1996 Manila Declaration, or has it been directly relevant to one specific priority set by APEC Ministers and Leaders, or a vision statement from a working group. Has it contributed to one of the Actions in Specific Areas in Section 3 of Osaka Action Agenda in 1995, or has it addressed issues directly contributing trade and investment liberalization and facilitation?</td>
<td></td>
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<td>4</td>
<td>Is there an opportunity for any follow-up projects?</td>
<td>Are there any additional actions needed? Are there any ideas or pending issues that can be followed up?</td>
<td>Some participants indicated that the project (workshop) should be continued and held at least once per two years, and the duration of the project should be extended for more</td>
<td>The workshop is now completed and another questionnaire will be administrated afterwards for participants to assess the application of the knowledge and skills learned from the workshop.</td>
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- A project report was produced to support the courses of the workshop, including well-editing workshop training materials, power point presentations, CD, the instructors’ notes and document templates.

- Hard copies of the project report were distributed to the participants at the workshop. All workshop documents were stored in CD-ROM format.

- The information concerning the preparation, the execution, and the outcome of the workshop was released to the media and the public.

- The training materials were made available on the website.
This workshop has generated a number of interest topics among APEC economies. The participants commented that the workshop has presented a significant scope of knowledge and skills that can be applied in their respective economies. Since dengue fever is an important public health problem in many APEC economies, ample opportunities exist for the initiation of other projects to further strengthen dengue control activities in APEC economies.

| 5 | Any other relevant points? | For example, list the lessons learned; are they useful and have they been communicated to other interested parties? | Major lessons identified by participants from the workshop include:

- Chinese Taipei’s experiences in controlling dengue have been successfully introduced to the participating APEC economies. The network for controlling dengue in APEC economies has thus been established.
- The application of GIS for vector surveillance and fogging operators is refreshing. The Kaohsiung method of the effective fogging is considered as a very intelligent move.
- The project (workshop) has imparted critical skills and knowledge to all participants. The coverage of the workshop is wide and deep.
- Basic information on dengue fever provided a good backbone of the workshop, which participants found highly relevant. Chinese Taipei hosted a good workshop.
- The overall effectiveness of the project is |
| 6 | In your judgment has the project been successful? | To what extent were the objectives achieved and how relevant were they? What useful lessons have been learned for future projects? Based on current information, could this project be earmarked for an impact evaluation in the future? | This project has been very successful with all the objectives being achieved. Most of the participants believed that the new skills and knowledge they’ve learned from the workshop will benefit themselves and their economies. For instance, the knowledge on the implementation of vector control strategies, the field investigation practice and the epidemiological survey, the difficulties and challenges associated with organizing a dengue fever program, the application of GIS for vector surveillance, coordination with authority and community, etc.

Many constructive conclusions and consensus have been made during the workshop on how to tackle the challenges facing dengue prevention and control. Meanwhile, the participants can apply the knowledge and new skills they acquired from participating in the field training exercises to effectively control dengue fever. |
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<th>Comments by Lead Shepherd/ Chair:</th>
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<td>Lead Shepherd/ Chair’s Signature:</td>
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<td>Comments by Secretariat:</td>
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APEC Workshop for the Control Practice of Dengue Fever

Shu-Hui Tseng, MD, Msc
Centers for Disease Control
Chinese Taipei

Aug 12, 2008

Workshop Date and Venue

- **Date:**
  - June 5-6, 2008

- **Venue:**
  - Garden Villa, Kaohsiung
  - Chinese Taipei
Objectives of the Project--1

- Improve skills and knowledge on the practice of vector control, risk communication and community mobilization.
- Build dengue control capacity of and promote cooperation in dengue control among APEC member economies by sharing updated information and exchanging experiences on dengue fever prevention and control.

Objectives of the Project--2

- Apply innovative, effective and affordable tools to effectively manage dengue vectors and dengue fever cases.
- To organize a workshop
Asia-Pacific Economic Cooperation

Principal Activities

- Share Chinese Taipei’s “Kaohsiung Model” with all participants and exchange experiences in dengue control with one another in order to build dengue control capacity.
- Promote cooperation in dengue control among APEC member economies.

Chinese Taipei

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Asia-Pacific Economic Cooperation

Principal Activities

- Conduct a field practice to further improve skills and knowledge on the practice of vector control.
- Introduce an innovative, effective, and multilingual supporting tool that facilitates accurate identification and better management of vector breeding sites and dengue cases.

Chinese Taipei
### Budget

- **Total cost of proposal:**
  - US$ 54,740
- **APEC funding:**
  - US $22,740
- **Chinese Taipei Funding:**
  - US $32,000

### Achievements--1

A total of 40 representatives from 12 member economies, including Australia, Brunei Darussalam, Canada, Chile, China, Indonesia, Malaysia, Peru, Singapore, Chinese Taipei, Thailand and Vietnam, participated in the workshop.
Achievements--2

The workshop was designed to allow participants to:

- Share the newly developed software on management and identification of vector breeding site.

Achievements--3

- Partake in a field practice to improve skills and knowledge on the practice of vector control.
Achievements--4

- Exchange dengue control experiences with one another and help promote cooperation in dengue control among APEC member economies.

Conclusion

- The project has been completed successfully with all the objectives being achieved.
- Many constructive conclusions and consensus have been made during the workshop on how to tackle the challenges facing dengue prevention and control.
- Most participants believed that the new skills and knowledge they’ve learned from the workshop will benefit themselves and their economies.
Thank you for your attention